



Mr. Eric Winiecki
EPA Project Coordinator
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Subject:
DOCKET NO. SDWA-10-2013-0080, Yakima Valley Dairies
August 2013 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period August 11 to September 10, 2013, submitted on behalf of: (1) Cow Palace, LLC; (2) D & A Dairy, LLC (also known as D&A Dairy L.L.C.), George DeRuyter & Son Dairy, L.L.C., and George & Margaret, L.L.C; and (3) Liberty Dairy LLC and its associated dairy facility H&S Bosma Dairy. If you have any questions or comments, please do not hesitate to call. Thank you.

Sincerely,

ARCADIS U.S., Inc.

Kevin M. Freeman
YVD Project Coordinator

Attachments:
Monthly Progress Report, August 11 to September 10, 2013

Copies:
Adam Dolsen, Cow Palace LLC
Dan DeRuyter, George DeRuyter & Son Dairy LLC
Henry Bosma, Liberty Dairy LLC
Rene Fuentes, EPA
Jennifer MacDonald, EPA
Patrick W. Ryan, Perkins Coie LLP
Lori Terry Gregory, Foster Pepper PLLC

ARCADIS U.S., Inc.
695 North Legacy Ridge Drive
Suite 200
Liberty Lake
Washington 99019
Tel 509 928 3369
Fax 509 928 3075
www.arcadis-us.com

ENVIRONMENT

Date:
September 16, 2013

Contact:
Kevin M. Freeman, PG

Extension:
211

Email:
Kevin.Freeman@arcadis-us.com

Our ref:
SK030326.0001
SK030334.0001
SK030335.0001

EPA ref:
SDWA-10-2013-0080

Imagine the result

YAKIMA VALLEY DAIRIES (YVD)**Docket No, SDWA-10-2013-0080****Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]****Period: August 11, 2013 to September 10, 2013**

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
GENERAL TASKS				
1	Identify Project Coordinator (Consent Order 16. b.) and Contractor (notification of subsequent contractors must be provided to EPA 20 days prior to commencement of Work) (Consent Order 16.a.)	TASK COMPLETE		
4	Notify EPA regarding interest in participating in the public involvement process (III.C.)	TASK COMPLETE		
PROVISION OF WATER (III.D.)				
5	Submit Residential Well Sampling QAPP (III.D.2.)	TASK COMPLETE		
6	Test each residential drinking water well within the Dairy Facilities boundary and within one mile downgradient of the Dairy Facilities (III.D.3.)	TASK COMPLETE	ARCADIS will continuing to schedule sampling if contacted by resident(s) who are currently non-respondent.	ARCADIS has contacted YVD owners and scheduled sampling of five non-respondent residences (rentals) owned by YVD; two other non-respondent residences (rentals) owned by YVD have RO systems. Sampling to be completed on September 18, 2013 (due to scheduling conflicts with residents); results will be included in the Residential Well Sampling Report.
7	Provide residents results of Hach test strip (III.D.4.)	TASK COMPLETE		
8	Provide preliminary results of laboratory analysis of residential drinking water well samples to EPA (III.D.4.)	TASK COMPLETE		

YAKIMA VALLEY DAIRIES (YVD)

Docket No, SDWA-10-2013-0080

Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]

Period: August 11, 2013 to September 10, 2013

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
9	Provide validated laboratory analytical results to each resident and to EPA (III.D.4.)	TASK COMPLETE		
10	Provide reverse osmosis treatment system (or other EPA approved alternative water supply) to each owner/occupant that accepts offer for alternative water (III.D.5)	Continued to schedule system installation & maintenance (Pinnacle). Ordered 40 RO systems from manufacturer. Continued to track and receive responses to the system and/or maintenance offer (ARCADIS). Contacted identifiable property owners of non-respondent rental properties where samples were collected or RO systems observed.	Continue to install new systems and perform maintenance of existing systems (Pinnacle). Fifteen (15) installations of new systems are scheduled for week of 9/16; 17 installations are scheduled for week of 9/23; eight installations are scheduled for week of 9/30. Maintenance of existing systems is being accomplished as residents schedules allow.	Last request for system (for new installation or existing maintenance) was received by ARCADIS on August 11, 2013. No calls received since that date.
11	Submit Residential Well Sampling Report	Begin preparation of Report.	Submit Residential Well Sampling report to EPA by October 10, 2013.	
GROUNDWATER MONITORING (III.E.)				
12	Submit Groundwater Monitoring QAPP (III.E.1.)	Completed installation of wells YVD-02, YVD-05, and YVD-06. Developed ARCADIS-installed YVD and DC wells. Surveyed ARCADIS and EPA installed wells. Scheduled sampling of wells.	Collect synoptic water level measurements and begin sampling of wells on September 16, 2013. Anticipate completion of sampling activities by September 24, 2013.	Requested modification of QAPP re: substitution of polyethylene tubing for Teflon tubing during sampling activities; EPA approved modification on September 11, 2013. Well YVD-01 <u>not</u> installed as per discussions and agreement with EPA technical team.
13	Submit Groundwater Monitoring Well Installation Report (III.E.2.)	Begin preparation of Report.	Submit Report to EPA by November 3, 2013.	
14	Report validated groundwater nitrate analytical results (III.A.3.e.(1))	None.	Validate results following receipt of data from analytical laboratory. Results to be submitted to EPA within 30 days following completion of sampling.	

YAKIMA VALLEY DAIRIES (YVD)

Docket No, SDWA-10-2013-0080

Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]

Period: August 11, 2013 to September 10, 2013

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
15	Quarterly Groundwater Monitoring Data Reports (III.E.3.)	None	Prepare report. Report to be submitted to EPA within 60 days following completion of sampling.	
16	Annual Groundwater Monitoring Data Report (III.E.3.)	None	None	
IMMEDIATE SOURCE CONTROL ACTIONS (III.F.)				
17	Submit Dairy Facility Application Field Management Plan (III.F.1.)	Submit revised Plan(s) to EPA on August 12, 2013. Await EPA comments/approval of Plan(s).	Received comment letter from EPA on September 12, 2013. Revise and submit Plan(s) to EPA by October 2, 2013. Await EPA comments/approval of Plan(s).	YVD anticipated to begin harvesting crops from application fields by end of September. Post-harvest sampling for 2013 will be conducted in accordance with the draft AFM Plans.
18	Submit Dairy Facility Application Field Reports (III.A.3.e.(2))	None	None	
19	Submit Irrigation Water Management Plan (III.F.2.)	Prepared proposed DQOs for Plan(s), as discussed during August 13, 2013 conference call with EPA. Submitted DQOs to EPA on August 30, 2013 for review and comment.	Revise and prepare Plan(s) based on EPA comments to DQOs. Submit Plan(s) for EPA for review and comment.	
20	Implement Irrigation Water Management Plan (III.F.2.)	None.	None	
21	Take action to reduce nitrate contributions from silage storage (III.F.3.)	Dairy facilities initiated implementation of recommended actions.	Provide memorandum of observations and actions to EPA following completion of actions	
22	Take action to reduce nitrate contributions from solid separator (III.F.4)	Dairy facilities initiated implementation of recommended actions.	Provide memorandum of observations and actions to EPA following completion of actions.	
23	Install backflow prevention system (III.F.5)	TASK COMPLETE		
24	Submit Lagoon Review Report (III.F.6.)	Submitted revised Report(s) to EPA on August 12, 2013.	TASK COMPLETE	

YAKIMA VALLEY DAIRIES (YVD)**Docket No, SDWA-10-2013-0080****Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]****Period: August 11, 2013 to September 10, 2013**

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
25	Submit Lagoon Evaluation Plan (III.F.6).	Prepare Plan(s) for each facility as per information contained in Lagoon Review Report(s) .	Submit Plan(s) to EPA for review and comment by October 2, 2013.	Requested 15-day extension to original submission due-date of September 11, 2013. EPA granted 15-day extension on September 10, 2013.
26	Submit Lagoon Evaluation Report and Lagoon Work Plan (III.F.6)	None	None	
27	Submit records of locations to which manure is transported off of the Dairy Facilities (III.F.7)	None	None	
28	Eliminate furrow irrigation (III.F.8.)	None	None	
29	Submit Plan for assessment of area surrounding monitoring well DC-03 (III.F.12.)	None	Await further EPA comments following completion of groundwater monitoring well network installation.	ARCADIS and EPA will reach a agreement regarding the intent and scope of the DC-03 Investigation following completion of the groundwater monitoring well installation. Information provided by the well network will be used to refine the DC-03 work plan.
REPORTING (III.K.)				
34	Monthly Progress Reports (III.K.1.)	Submitted July MPR to EPA on August 15, 2013. Prepared August MPR.	Submit August MPR to EPA on September 16, 2013. Prepare September MPR. Prepare October MPR.	
35	Annual Reports (III.K.2.)	None	None	